

**TDX North Slope Generating, Inc.
Cost of Power Adjustment (COPA)/
Small Facility Power Purchase Rate (SFPPR)
Update Memorandum**

Date: **December 17, 2020**

Utility Name TDX North Slope Generating, Inc.	Utility File No. TA200-227	Date Filed: November 16, 2020
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FILING SUMMARY			
Statutory Deadline: December 31, 2020	Tariff Sheets recommended for approval: Tariff Sheet No. 62 Tariff Sheet No. 79	Filed on November 16, 2020 Filed on November 16, 2020	Staff Recommended Effective Date: December 31, 2020
Side-by-side Tariff Sheets attached as Appendix 3			

COPA SUMMARY				
Prior Commission Determination TA Number and Effective Date	Prior Commission Determination (\$/kWh)	Staff Recommended Determination (\$/kWh)	Change (\$/kWh)	
TA199-227 10/2/2020	\$0.06136	\$0.05412	(\$0.00724)	

SFPPR SUMMARY				
Prior Commission Determination TA Number and Effective Date	Prior Commission Determination (\$/kWh)	Staff Recommended Determination (\$/kWh)	Change (\$/kWh)	
TA199-227 10/2/2020	\$0.0628	\$0.0615	(\$0.0013)	

Additional Staff Recommendation				

Signed: Steven Jones Steven Jones

Utility Tariff Analyst

Reasons for the above recommendations: See Attached Memorandum

	Date, if different from 12/17/2020	I CONCUR	I DO NOT CONCUR	I WILL WRITE A DISSENTING STATEMENT*
Pickett		<u>RMP</u>		
McAlpine		<u>SM</u> SM		
Scott		<u>AGS</u> AGS		
Sullivan		<u>DS</u> DS		
Wilson		<u>JW</u> JW		

Special Instructions to Staff: _____

* If this column is initialed, Staff will contact the Commissioner for the statement. Otherwise, dissent will be noted at the close of the By Direction Letter or Order.

**TDX North Slope Generating, Inc.
COPA/SFPPR
Update Memorandum**

To: Robert M. Pickett, Chairman
Stephen McAlpine
Antony Scott
Daniel A. Sullivan
Janis W. Wilson

Date: December 17, 2020

File: TA200-227

Utility: TDX North Slope Generating, Inc.

From: Steven Jones

Subject: COPA/SFPPR

COPA Comments:

Staff reviewed this tariff filing to ensure compliance with applicable regulations (3 AAC 48.200-3 AAC 48.430). Staff also reviewed the proposed tariff sheets to ensure the stated text is easily understood, and the tariff provisions clearly and comprehensively describe and address the situation to which the tariff provision applies. Proposed revisions to the COPA surcharge are reviewed under 3 AAC 52.504, which requires information supporting entries in the balancing account for the historical period, and support for projections for the future period.

Staff Notes:

The estimated fuel costs increased from \$898,218.23 to \$1,123,559.48. The estimated balancing account balance decreased from (\$71,135.07) to (\$81,610.72). The estimated kWh sales increased from 13,479,565 kWh to 19,253,921 kWh. The downward pressure from the increase in estimated kWh sales and the decrease in the estimated balancing account offsets the upward pressure from the increase in estimated fuel costs. The overall effect is a decrease in TDX North Slope Generating, Inc.'s. COPA surcharge from \$0.06136/kWh to \$0.05412/kWh.

Staff Recommendation:

The Commission should approve Tariff Sheet No. 79, filed November 16, 2020, by TDX North Slope Generating, Inc. with TA200-227. The effective date of the tariff sheet should be December 31, 2020.

SFPPR Comments:

TDX North Slope Generating Inc.'s tariff provides that the rate at which power will be purchased from qualifying facilities with a design capacity of 100kW or less is calculated based upon the amount of natural gas generation used in the most recent quarter, updated to reflect the current price of fuel, divided by the number of kWh sold in the most recent quarter.

Staff Notes:

TDX North Slope Generating, Inc. proposes a SFPPR of \$0.0615/kWh, which is decrease of \$0.0013/kWh from the previously approved SFPPR of \$0.0628/kWh.

Staff Recommendation:

The Commission should approve Tariff Sheet No. 62, filed November 16, 2020, by TDX North Slope Generating, Inc. with TA200-227. The effective date of the tariff sheet should be December 31, 2020.

**TDX North Slope Generating, Inc.
COPA/SFPPR
Update Memorandum**

TDX North Slope Generating, Inc.
Calculation and Comparison of 31,500 kWh Bill
TA200-227

Customer Bills	Prior Determination (\$/kWh)	Updated Determination (\$/kWh)	Change
Surcharge (\$/kWh)	\$0.06136	\$0.05412	(\$0.00724)
31500 kWh Customer Bill			
Energy @ \$0.1403/kWh	\$4,419.45	\$4,419.45	\$0.00
Customer Charge (3-Phase Service)	\$347.45	\$347.45	\$0.00
Regulatory Cost Charge @ \$0.000654/kWh	\$20.60	\$20.60	\$0.00
Surcharge Amount (\$)	\$1,932.84	\$1,704.78	(\$228.06)
Total Customer Bill (\$)	\$6,720.34	\$6,492.28	(\$228.06)

**TDX North Slope Generating, Inc.
COPA/SFPPR
Update Memorandum**

TDX North Slope Generating, Inc.
Cost of Power Adjustment Amount
TA200-227

Calculation of Cost of Power Adjustment		
Line Description	Prior Determination (\$/kWh)	Updated Determination (\$/kWh)
A Estimated Per Unit Fuel Cost	\$ 4.40	\$ 4.40
B Estimated Fuel Consumption	204,140.51	255,354.43
C Estimated Per Unit Power Cost	-	-
B Estimated Power Consumption	-	-
D Total Estimated Fuel Cost	\$ 898,218.23	\$ 1,123,559.48
E Balancing Account Balance	\$ (71,135.05)	\$ (81,610.72)
F Total (D+E)	\$ 827,083.18	\$ 1,041,948.75
G Estimated Retail Sales	13,479,565	19,253,921
H Projected Cost of Power (F/G)	\$ 0.06136	\$ 0.05412
I Base Cost of Power	\$ -	\$ -
J Cost of Power Adjustment Amount (H-I)	\$ 0.06136	\$ 0.05412

Comments

Actual Costs			
	Prior Determination (\$/kWh)	Updated Determination (\$/kWh)	Change
Per Unit Fuel Cost	\$ 4.40	\$ 4.40	\$ -
Total Fuel Cost	\$ 779,865.00	\$ 572,994.00	\$ (206,871.00)
Balancing Account	\$ (71,135.05)	\$ (81,610.72)	\$ (10,475.67)

Actual Revenues			
	Prior Determination (\$/kWh)	Updated Determination (\$/kWh)	Change
Sales	\$ 12,422,877	\$ 9,313,187	\$ (3,109,690)
COPA Surcharge Revenues	\$ 756,378.40	\$ 542,311.87	\$ (214,066.53)
Base Cost Revenues	\$ -	\$ -	\$ -

Signature: Antony Scott
Antony Scott (Dec 17, 2020 09:23 AKST)

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Daniel Sullivan (Dec 17, 2020 10:38 AKST)

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Jan Wilson (Dec 17, 2020 16:49 AKST)

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Stephen McAlpine (Dec 17, 2020 08:52 AKST)

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RCA No. 227 26th Revision Sheet No. 62
 Cancelling 25th Revision Sheet No. 62

RECEIVED
August 18, 2020
 STATE OF ALASKA
 REGULATORY COMMISSION OF ALASKA

TDX NORTH SLOPE GENERATING, INC.

RULES AND REGULATIONS
Section 11 - Purchases of Power from Qualifying Facilities

11.1 Small Facility Power Purchase Rate

The rate at which the Utility will purchase energy from qualifying facilities with a design capacity of 100 kW or less is calculated based upon the amount of natural gas generation used in the most recent quarter, updated to reflect the current price of fuel, divided by the number of kWh sold in the most recent quarter.

A.	Amount of natural gas used		177,242	MMBtu
B.	Current price of delivered natural gas		4.40	\$/MMBtu
C.	Total Fuel Costs	A x B	\$ 779,865	
D.	kWh sold		12,422,877	kWh
E.	Small Facility Power Purchase Rate	C / D	6.28	c/kWh I

Tariff Advice No. TA199-227 Effective October 2, 2020

Issued by : **TDX NORTH SLOPE GENERATING, INC.**

By : John Lyons Title : TDX Power President

RCA No. 227 27th Revision Sheet No. 62
 Cancelling 26th Revision Sheet No. 62



TDX NORTH SLOPE GENERATING, INC.

RULES AND REGULATIONS
Section 11 - Purchases of Power from Qualifying Facilities

11.1 Small Facility Power Purchase Rate

The rate at which the Utility will purchase energy from qualifying facilities with a design capacity of 100 kW or less is calculated based upon the amount of natural gas generation used in the most recent quarter, updated to reflect the current price of fuel, divided by the number of kWh sold in the most recent quarter.

A.	Amount of natural gas used		130,226	MMBtu
B.	Current price of delivered natural gas		4.40	\$/MMBtu
C.	Total Fuel Costs	A x B	\$ 572,994	
D.	kWh sold		9,313,187	kWh
E.	Small Facility Power Purchase Rate	C / D	6.15	c/kWh R

Tariff Advice No. TA200-227 Effective

Issued by : **TDX NORTH SLOPE GENERATING, INC.**

By : John Lyons Title : TDX Power President

RCA NO. 227 69TH Revision SHEET NO. 79
CANCELLING 68TH Revision SHEET NO. 79

RECEIVED
August 18, 2020
STATE OF ALASKA
REGULATORY COMMISSION OF ALASKA

TDX NORTH SLOPE GENERATING, INC.			
COST OF POWER ADJUSTMENT			
(1) Estimated Costs for 3 month Period Beginning		September 1, 2020	
Source	Estimated Quantity	Estimated Unit Cost	Estimated Total Cost
Purchased Power	0 kwh	\$ 0.0326 /kwh	0
Natural Gas	204,141 MMBtu	\$ 4.40 /MMBtu	898,218.23 I
Diesel Fuel	0 gal	\$ 5.0825 /gal	0
(1) Total			\$ 898,218.23 I
(2) Balance in Cost of Power Estimated Balancing Account as of	August 31, 2020	(\$71,135.05)	R
Balance in Actual Balancing Account as of June 30, 2020 (\$106,664.86)			
(3) Total (1) and (2) above			827,083.18 I
(4) Estimated Retail Energy Sales for Three Months (kwh)			13,479,565 I
(5) Projected Cost of Power [(3)/(4)]		\$ 0.06136 /kwh	I
(6) Base Cost of Power		0.00000 /kwh	
(7) Cost of Power Adjustment [(5)-(6)] for Period Beginning	September 1, 2020	\$ 0.06136 /kwh	I
Tariff Advice No. <u>TA199-227</u> Effective October 2, 2020			

Issued by: TDX NORTH SLOPE GENERATING, INC.
By : John Lyons Title : TDX Power President

RCA NO. 227 70TH Revision SHEET NO. 79
CANCELLING 69TH Revision SHEET NO. 79

TARIFF SECTION
RECEIVED
Nov 16 2020
RCA

TDX NORTH SLOPE GENERATING, INC.			
COST OF POWER ADJUSTMENT			
(1) Estimated Costs for 3 month Period Beginning		October 1, 2020	
Source	Estimated Quantity	Estimated Unit Cost	Estimated Total Cost
Purchased Power	0 kwh	\$ 0.0326 /kwh	0
Natural Gas	255,354 MMBtu	\$ 4.40 /MMBtu	1,123,559.48 I
Diesel Fuel	0 gal	\$ 5.0825 /gal	0
(1) Total			\$ 1,123,559.48 I
(2) Balance in Cost of Power Estimated Balancing Account as of	November 30, 2020	(\$81,610.72)	R
Balance in Actual Balancing Account as of September 30, 2020 (\$75,652.98)			
(3) Total (1) and (2) above			1,041,948.75 I
(4) Estimated Retail Energy Sales for Three Months (kwh)			19,253,921 I
(5) Projected Cost of Power [(3)/(4)]		\$ 0.05412 /kwh	R I
(6) Base Cost of Power		0.00000 /kwh	
(7) Cost of Power Adjustment [(5)-(6)] for Period Beginning	October 1, 2020	\$ 0.05412 /kwh	R I
Tariff Advice No. <u>TA200-227</u> Effective			

Issued by: TDX NORTH SLOPE GENERATING, INC.
By : John Lyons Title : TDX Power President